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BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

Name of Work: *Estimate for Improvements to Road and Footpath Maintenance in Ward No. 11 (Kuvempunagara), Vidyaranyapura sub Division..*

Job Code: 011-18-000054

Estimated Cost: Rs. 15.00 Lakh(s)

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to Road and Footpath Maintenance in Ward No. 11, (Kuvempunagara), Vidyaranyapura Sub Division.

							Est Cost Rs.	1500000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 **Page No. 142 / Item No. 19.1, PWD SR 2016-17**	Cum							
			1	148.00	0.45	0.45	29.97		
			1	125.00	0.45	0.45	25.31		
			1	85.00	0.45	0.45	17.21		
	Culvert		1	8.00	2.00	1.20	19.20		
	Basic Rate	82.00					**91.70**	199.36	**18281.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 / km= 38.08	38.08							
		188.08							
	Area Weightage @6%	11.28							
	Total	**199.36**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 25 / Item No. 5.33 PWD SR 2016-17**	Sqm							
			1	148.00		1.35	199.80		
			1	125.00		1.35	168.75		
			1	85.00		1.35	114.75		
							483.30		
	Deduct 50% Damaged Slabs						246.48		
	Basic Rate	76.00					**236.82**	80.56	**19078.00**
	Area Weightage @ 6%	4.56							
	Total	**80.56**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 25 / Item No. 5.31.1 PWD SR 2016-17**	Sqm							
	Deduct 25% Damaged Slabs		Vide Item No. 2				246.48		
	Basic Rate	628.00					**246.48**	665.68	**164079.00**
	Area Weightage @ 6%	37.68							
	Total	**665.68**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	Cum							
	For Culverts		1	8.00	2.00	0.15	2.40		
	Basic Rate	4867.00					**2.40**	5159.02	**12382.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	Cum							
	For Culverts		2	8.00	0.60	0.90	8.64		
	Basic Rate	5005.00					**8.64**	5305.30	**45838.00**
	Area Weightage @ 6%	300.30							
	Total	**5305.30**							
6	KSRB 15.1.3 Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.3, PWD SR 2016-17**	Sqm							
	For Culverts		2	8.00		0.80	12.80		
	Basic Rate	98.00					**12.80**	103.88	**1330.00**
	Area Weightage @ 6%	5.88							
	Total	**103.88**							
7	KSRB 5-14.2 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.27.2, PWD SR 2016-17**	Sqm							
	3rd Main Roada Side		2	148.00		0.40	118.40		
			2	125.00		0.40	100.00		
			2	85.00		0.40	68.00		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	831.00					**286.40**	880.86	**252278.00**
	Area Weightage @ 6%	49.86							
	Total	**880.86**							
8	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation, plinth and cills**, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.6 PWD SR 2016-17**	Cum							
	3rd Main Roada Side Coping Raising Drain		2	148.00	0.20	0.10	5.92		
			2	125.00	0.20	0.10	5.00		
			2	85.00	0.20	0.10	3.40		
	Culvert Coping		1	8.00	1.80	0.10	1.44		
	Ramp		2	8.00	1.00	0.15	2.40		
	Basic Rate	5441.00					**18.16**	5767.46	**104737.00**
	Area Weightage @ 6%	326.46							
	Total	**5767.46**							
9	Providing **precast slab of 100 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	RCC Drain Slab		597	0.90	0.60		322.20		
							322.20	1820.56	**586584.00**
10	Providing **precast slab of 250 mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge- Data rate	Sqm							
	Culvert Deck Slab		14	1.80	0.60		15.12		
							15.12	5125.00	**77490.00**
11	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305 **Page No. 148 / Item No. 19.60, PWD SR 2016-17**	cum							
	3rd Main Roada Side Footpath area		1	148.00	2.00	0.30	88.80		
			1	125.00	2.00	0.30	75.00		
			1	85.00	2.00	0.30	51.00		
	Basic Rate	302.00					**214.80**	320.12	**68762.00**
	Area Weightage @ 6%	18.12							
	Total	**320.12**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Sub Total								1350839.00
	KRIDL Charges @ 10%								135084.00
	Labour Cess @ 1%								13508.00
	Add for unforseen and rounding off	L/S							569.00
								Total	1500000.00
Rupees Fifteen Lakh(s) Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
3 This work included under 2017-18 P-3296 14th Finance Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 11

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

6/08
Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
6/08

Administrative Approval

Accorded For Rs. Fifteen lacs only
Head of A/C. P-3296
CER NO : AS/ID/18-19 Dt: 10.08.18

TA CE (YNK)

TECHNICAL SANCTION

Accorded For Rs. Fifteen lakhs only.
Head of A/C. P-3296
Div. Ref. No. 39/18-19. Date. 10/08/18

10/08
AE

10/08
EE(BTP)